

## CLAIMS

What is claimed is:

1. A method for processing incoming ISDN calls comprising:  
receiving at least two incoming calls;  
placing each of the incoming calls in a temporary call list;  
analyzing each of the incoming calls to determine video channel type; and  
moving each of the incoming calls to a permanent call list based on the video channel type of the call.
2. A method as recited in claim 1 wherein receiving at least two incoming calls occur within a time interval less than that required to process an incoming ISDN call.
3. A method as recited in claim 1 wherein analyzing each of the incoming calls uses a framing listening technique.
4. A method as recited in claim 3 wherein the framing listening technique distinguishes between H.221 framing, master bonding channel framing and slave bonding channel framing.
5. A method as recited in claim 1 further comprising transmitting a multi-frame pattern if the video channel type is slave bonding channel framing.
6. A method as recited in claim 7 further comprising determining whether a previously-sent video unit identifier has been returned.
7. A method as recited in claim 1 further comprising addressing as a new call an incoming call that is transmitting master bonding channel framing.
8. A method as recited in claim 1 further comprising:  
grouping an incoming call with other channels comprising a video call; and

calculating a delay compensation.

9. A method as recited in claim 1 further comprising:
  - receiving a value representing a transfer flag;
  - receiving a value representing a channel identifier;
  - receiving a value representing at least one of a physical video unit identifier and a group identifier;
  - receiving a value representing a rate multiplier; and
  - receiving a value representing a bonding mode.
10. A processor-based videoconferencing station comprising a medium storing instructions for causing the processor to:
  - receive at least two incoming ISDN calls;
  - place each of the incoming calls in a temporary call list;
  - analyze each of the incoming calls to determine video channel type; and
  - move each of the incoming calls to a permanent call list based on the video channel type of the call.
11. The station of claim 10, wherein the instructions for analyzing each of the incoming calls use a framing listening technique.
12. The station of claim 11, wherein the framing listening technique distinguishes between H. 221 framing, master bonding channel framing and slave bonding channel framing.
13. The station of claim 10, the medium further storing instructions for causing the processor to:
  - transmit a multi-frame pattern if the video channel type is slave bonding channel framing.
14. The station of claim 13, the medium further storing instructions for causing the processor to:

determine whether a previously sent video unit identifier has been returned.

15. A videoconferencing station comprising:
  - a receiver for at least two incoming ISDN calls;
  - a temporary call list for incoming calls;
  - an analyzer to determine video channel type of each of the incoming calls; and,
  - a permanent call list for each video channel call type.
16. The station of claim 15, wherein the analyzer uses a framing listening technique.
17. The station of claim 16, wherein the framing listening technique distinguishes between H. 221 framing, master bonding channel framing and slave bonding channel framing.
18. The station of claim 15, wherein the analyzer further determines whether a previously sent video unit identifier has been returned.